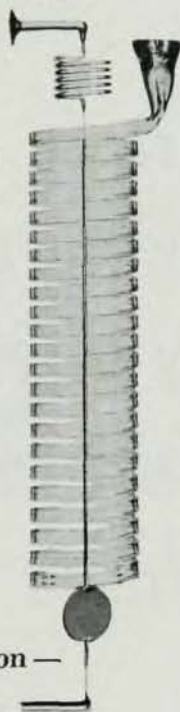


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BOOKS RECEIVED

ACOUSTICS

Physical Acoustics, Principles and Methods, Volume 2, Part B, Properties of Polymers and Nonlinear Acoustics. Warren P. Mason, ed. 383 pp. Academic, New York, 1965. \$14.00.

ASTRONOMY & ASTROPHYSICS

Solar System Radio Astronomy. Conf. Proc. (Athens, Aug. 2-15, 1964). Jules Aarons, ed. 416 pp. Plenum Press, New York, 1965. \$17.50.

CHEMISTRY & CHEMICAL PHYSICS

Chemical Physics of Semiconductors. By J. P. Suchet. Transl. from the French by E. Heasell. 197 pp. Van Nostrand, Princeton, N. J., 1965. \$8.50.

Double Layer and Electrode Kinetics. By Paul Delahay. 321 pp. Interscience, New York, 1965. \$14.50.

Viscosity of Electrolytes and Related Properties. By R. H. Stokes and R. Mills. Pergamon, Oxford, 1965. \$7.50.

Molecular Physics in Photosynthesis. By Roderick K. Clayton. 205 pp. Blaisdell, New York, 1965. \$7.50.

Flame Structure. By R. M. Fristrom and A. A. Westenberg. 424 pp. McGraw-Hill, New York, 1965. \$17.50.

The General Theory of Sorption Dynamics and Chromatography. By Vladimir Vatslavovich Rachinskii. Transl. from the Russian. 90 pp. Consultants Bureau, New York, 1965. Paper \$15.00.

Oxidation and Combustion Reviews, Vol. 1. C. F. H. Tipper, ed. 344 pp. Elsevier, Amsterdam and New York, 1965. \$13.50.

Tenth Symposium (International) on Combustion (Cambridge, Eng., Aug. 17-21, 1964). 1488 pp. The Combustion Institute, Pittsburgh, Pa., 1965.

High-Temperature Compounds of Rare Earth Metals with Non-metals. By Grigori Valentinovich Samsonov. Transl. from the Russian. 280 pp. Consultants Bureau, New York, 1965. \$17.50.

COMPUTATION & COMMUNICATION

Time-Domain Analysis and Design of Control Systems. By Richard C. Dorf. 194 pp. Addison-Wesley, Reading, Mass. 1965. \$8.95.

ELECTRICITY & MAGNETISM

Proceedings of the International Conference on Magnetism. (Nottingham, Sept. 1964.) 878 pp. Institute of Physics and Physical Soc., London, 1964. £8. 8s.

Classical Electromagnetic Radiation. By Jerry B. Marion. 479 pp. Academic, New York, 1965. \$10.75.

Progress in Dielectrics, Volume 6. J. B. Birks and J. Hart, eds. 334 pp. Academic, New York, 1965. \$14.50.

Magnetism, Volume 2, Part A, Statistical Models, Magnetic Symmetry, Hyperfine Interactions, and Metals. George T. Rado and Harry Suhl, eds. 443 pp. Academic, New York, 1965. \$15.00.

EXPERIMENTAL TECHNIQUES

Engineering Physical Metallurgy. By Y. Lakhtin. Transl. from the Russian by Nicholas Weinstein. 471 pp. (P. Noordhoff, Groningen) Gordon & Breach, New York, 1965. \$14.50.

Fiber Composite Materials. Seminar Proc. (Oct. 1964). 245 pp. American Society for Metals, Metals Park, Ohio, 1965. \$12.50.

Practical Instrumental Analysis. J. Krugers and A. I. M. Keulemans, eds. 263 pp. American Elsevier, New York, 1965. \$11.00.

GEOPHYSICS & EARTH SCIENCES

Physics of the Earth's Upper Atmosphere. C. O. Hines, et al., eds. 434 pp. Prentice-Hall, Englewood Cliffs, N.J., 1965. \$17.35.

HANDBOOKS, TABLES, ETC

Handbook of Mathematical Functions: With Formulas, Graphs, and Mathematical Tables. Milton Abramowitz and Irene A. Stegun, eds. 1046 pp. (Reprint of 1964 ed.) Dover Publications, New York, 1965. Paper \$4.00.

HISTORY & PHILOSOPHY OF SCIENCE

Kepler's Conversation with Galileo's Sidereal Messenger. By Edward Rosen. 164 pp. Johnson Reprint Corp., New York, 1965. \$9.00.

Ministers Talk About Science: A Summary and Review of the First Ministerial Meeting on Science October 1963. Emmanuel G. Mesthene, ed. Organisation for Economic Co-operation and Development, Paris, 1965.

Atomic Diplomacy: Hiroshima and Potsdam. The Use of the Atomic Bomb and the American Confrontation with Soviet Power. By Gar Alperovitz. 317 pp. Simon and Schuster, New York, 1965. \$7.50.

The Logic of Scientific Discovery. By Sir Karl Popper. 479 pp. (Reprint of 1959 ed.) Harper & Row, New York, 1965. Paper \$2.75.

The State of Soviet Science. Edited by the editors of *Survey*. 209 pp. MIT Press, Cambridge, Mass., 1965. \$6.00.

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A Peril and a Hope. The Scientists' Movement in America: 1945-47. By Alice Kimball Smith. 591 pp. University of Chicago Press, Chicago, 1965. \$10.00.

Improving the Effectiveness of Research and Development. By Robert E. Seiler, 210 pp. McGraw-Hill, New York, 1965. \$10.00.

The Scientific Endeavor. Centennial Celebration of the National Academy of Sciences. 331 pp. The Rockefeller Institute Press, New York, 1965. Cloth \$125, paper \$2.50.

5th Inter-American Symposium on the Peaceful Application of Nuclear Energy. (Valparaiso, Chile, Mar. 1964). 296 pp. Pan American Union, Washington, D. C., 1965. Paper.

TEXTBOOKS

Principles of Physics. By F. Bueche. 660 pp. McGraw-Hill, New York, 1965. \$9.75.
Selected Problems in Quantum Mechanics. D. ter Haar, ed. 402 pp. Academic, New York, 1964. \$8.50.

Scalar and Vector Fields: A Physical Interpretation. By Richmond B. McQuis-
tan. 314 pp. Wiley, New York, 1965. \$5.95.

Elements of Physics (4th ed.). By George Shortley and Dudley Williams. 924 pp. Prentice-Hall, Englewood Cliffs, N. J., 1965. \$11.75.

Advanced Quantum Mechanics and Particle Physics from an Elementary Approach. By John A. Eisele. Vol. 1. (2nd ed.) 656 pp. National Book Co., Taipei, Formosa, 1964. \$6.00.

University Physics. Experiment and Theory. By George D. Freier. 593 pp. Appleton-Century-Crofts, New York, 1965. \$10.00.

College Physics (4th ed.). By Robert L. Weber, Kenneth V. Manning, and Marsh W. White. 710 pp. McGraw-Hill, New York, 1965. \$9.75.

The Feynman Lectures on Physics. Vol. 3, Quantum Mechanics. By Richard P. Feynman, Robert B. Leighton, and Matthew Sands. 21 Chapters. Addison-Wesley, Reading, Mass., 1965. \$6.75.

Electricité, Volume 2. By Marcel Rouault. 336 pp. Masson et Cie, Paris, 1965. 36 F.

Elementary Classical Physics. Vol. 2, Electromagnetism and Wave Motion. 631 pp. By Richard T. Weidner and Robert L. Sells. Allyn & Bacon, Boston, 1965. \$7.75.

Exploring the Physical Sciences. By W. J. Poppy and Leland L. Wilson. 376 pp. Prentice-Hall, Englewood Cliffs, 1965.

A First Course in Partial Differential Equations with Complex Variables and Transform Methods. By H. F. Weinberger. 446 pp. Blaisdell, New York, 1965. \$12.50.

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This is the second in a series of ads featuring art by students in the Los Alamos School System. This painting is by Carolyn B. Wilder, who was a senior at Los Alamos High School when it was painted.

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